

VITAL STATISTICS SUMMARY

UPPER ARLINGTON CITY

May 2005

(Prepared by the Franklin County Board of Health's Health Assessment & Surveillance Team)

I. BIRTH DATA FOR THE PERIOD 1990 TO 2002

The following tables describe recent data for birth for Upper Arlington City and Franklin County. The birth statistics are given by total number of births, low birth weight newborns (≤ 2500 grams), and very low birth weight newborns (≤ 1500 grams – very low birth weight serves as an indicator of at-risk births). Rates are set at per 1,000 for live births, and per 100 for low and very low birth weights.**

| 1990 to 2001 UPPER ARLINGTON CITY BIRTHS | | | | | | |
|------------------------------------------|--------------|---------------------------------|---------------------------------|------------------------------|---------------------------------|-------------------------------|
| Year | Sum Births | Rate for Total Births per 1,000 | Sum of Births ≤ 2500 Grams | LBW Rate per 100 Live Births | Sum of Births ≤ 1500 grams | VLBW Rate per 100 Live Births |
| 1990 | 337 | 9.87 | 11 | 3.26 | 2 | 0.59 |
| 1991 | 333 | 9.76 | 12 | 3.60 | 0 | 0.00 |
| 1992 | 340 | 9.97 | 18 | 5.29 | 6 | 1.76 |
| 1993 | 344 | 10.09 | 19 | 5.52 | 2 | 0.58 |
| 1994 | 307 | 9.03 | 16 | 5.21 | 7 | 2.28 |
| 1995 | 332 | 9.78 | 17 | 5.12 | 3 | 0.90 |
| 1996 | 277 | 8.17 | 14 | 5.05 | 2 | 0.72 |
| 1997 | 265 | 8.06 | 10 | 3.77 | 3 | 1.13 |
| 1998 | 259 | 7.89 | 13 | 5.02 | 2 | 0.77 |
| 1999 | 201 | 6.14 | 7 | 3.48 | 1 | 0.50 |
| 2000 | 183 | 5.43 | 2 | 1.09 | 0 | 0.00 |
| 2001 | 215 | 6.37 | 8 | 3.72 | 2 | 0.93 |
| 2002 | 364 | 10.81 | 22 | 6.04 | 3 | 0.82 |
| Total | 3,757 | | 169 | | 33 | |

| 1990 to 2002 FRANKLIN COUNTY BIRTHS (FCBH ZONES) | | | | | | |
|--------------------------------------------------|----------------|--------------------------------------------|---------------------------------|------------------------------|---------------------------------|-------------------------------|
| Year | Sum Births | Rate for Total Births per 1,000 Population | Sum of Births ≤ 2500 Grams | LBW Rate per 100 Live Births | Sum of Births ≤ 1500 grams | VLBW Rate per 100 Live Births |
| 1990 | 16,752 | 17.36 | 1,468 | 8.76 | 246 | 1.47 |
| 1991 | 16,622 | 17.02 | 1,518 | 9.13 | 221 | 1.33 |
| 1992 | 16,889 | 16.92 | 1,519 | 8.99 | 233 | 1.38 |
| 1993 | 16,710 | 16.66 | 1,572 | 9.41 | 272 | 1.63 |
| 1994 | 16,635 | 16.51 | 1,526 | 9.17 | 241 | 1.45 |
| 1995 | 16,204 | 16.08 | 1,542 | 9.52 | 247 | 1.52 |
| 1996 | 16,027 | 15.83 | 1,581 | 9.86 | 265 | 1.65 |
| 1997 | 16,242 | 15.96 | 1,515 | 9.33 | 215 | 1.32 |
| 1998 | 16,626 | 16.28 | 1,563 | 9.40 | 249 | 1.50 |
| 1999 | 16,727 | 16.11 | 1,612 | 9.64 | 262 | 1.57 |
| 2000 | 17,761 | 16.61 | 1,786 | 10.06 | 291 | 1.64 |
| 2001 | 17,252 | 16.10 | 1,420 | 8.23 | 281 | 1.63 |
| 2002 | 17,013 | 15.59 | 1,530 | 8.99 | 323 | 1.90 |
| Total | 217,460 | | 20,152 | | 3,346 | |

** Note that the setting of new births for year 2001 and beyond uses geographical information system (GIS) technology for residential assignment. Accordingly, the rate comparisons slightly differ from prior estimates of population (a 0.56% change from self-reported residential assignment).

II. 5 LEADING CAUSES OF DEATH FOR THE PERIOD 1997 TO 2002

The mortality statistics are given by the 5 leading causes of death per year for Franklin County. Causes of death are comparatively tracked to enable Health Department researchers to understand the fluctuation in the leading mortality factors between individual jurisdictions and the whole of Franklin County. Rates are set at per 100,000 population and are calculated as simple rates due to the small sample sizes (≤ 10) per cell for some of the causes.* Age-adjusted mortality statistics for the whole of Franklin County are available from the Health Department upon request.

| MORTALITY STATISTICS FOR THE PERIOD 1997 TO 2002, UPPER ARLINGTON CITY & FRANKLIN COUNTY 5 LEADING CAUSES AND TOTAL BY CRUDE RATES (Crude Rates Used for Comparisons for Upper Arlington City due to Very Small Sample Sizes for Some Causes) | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------|-----------------|--------------|
| | Upper Arlington City | | Franklin County | |
| Year & Cause | Sum | Rate | Sum | Rate |
| <u>1997</u> | | | | |
| Heart Disease | 75 | 215.8 | 2,244 | 216.7 |
| Malignant Neoplasm | 79 | 227.3 | 1,874 | 181.0 |
| Cerebrovascular Diseases | 32 | 92.1 | 602 | 58.1 |
| Chronic Obstructionary Pulmonary Disease (COPD) | 16 | 46.0 | 389 | 37.6 |
| Diabetes Mellitus | 8 | 23.0 | 331 | 32.0 |
| Total Deaths | 303 | 871.8 | 7,769 | 750.3 |
| <u>1998</u> | | | | |
| Heart Disease | 98 | 282.0 | 2,261 | 218.4 |
| Malignant Neoplasm | 68 | 195.6 | 1,948 | 188.1 |
| Cerebrovascular Diseases | 34 | 97.8 | 575 | 55.5 |
| Chronic Obstructionary Pulmonary Disease (COPD) | 11 | 31.6 | 448 | 43.3 |
| Flu and Pneumonia | 16 | 46.0 | 278 | 26.8 |
| Total Deaths | 328 | 943.7 | 7,972 | 770.0 |
| <u>1999</u> | | | | |
| Heart Disease | 90 | 266.1 | 2,406 | 219.8 |
| Malignant Neoplasm | 68 | 201.1 | 1,896 | 173.2 |
| Cerebrovascular Disease | 16 | 47.3 | 579 | 52.9 |
| Chronic Lower Respiratory Disease | 12 | 35.5 | 437 | 39.9 |
| Diabetes Mellitus | 4 | 11.8 | 280 | 25.6 |
| Total Deaths | 278 | 822.1 | 8,233 | 752.2 |
| <u>2000</u> | | | | |
| Disease of the Heart | 69 | 204.0 | 2,113 | 193.0 |
| Malignant Neoplasm | 56 | 165.6 | 1,905 | 174.0 |
| Cerebrovascular Disease | 31 | 91.7 | 580 | 53.0 |
| Chronic Lower Respiratory Disease | 11 | 32.5 | 470 | 42.9 |
| Diabetes Mellitus | 7 | 20.7 | 273 | 24.9 |
| Total Deaths | 263 | 777.7 | 8,097 | 739.8 |
| <u>2001</u> | | | | |
| Disease of the Heart | 68 | 201.1 | 2,105 | 192.3 |
| Malignant Neoplasm | 75 | 221.8 | 1,876 | 171.4 |
| Cerebrovascular Disease | 25 | 73.9 | 530 | 48.4 |
| Chronic Lower Respiratory Disease | 18 | 53.2 | 471 | 43.0 |
| Diabetes Mellitus | 12 | 33.5 | 330 | 30.1 |
| Total Deaths | 304 | 899.0 | 8,118 | 741.7 |
| <u>2002</u> | | | | |
| Disease of the Heart | 71 | 210.0 | 2,073 | 189.4 |
| Malignant Neoplasm | 70 | 207.0 | 1,989 | 181.7 |
| Cerebrovascular Disease | 20 | 59.1 | 506 | 46.2 |
| Chronic Lower Respiratory Disease | 18 | 53.2 | 470 | 42.9 |
| Diabetes Mellitus | 2 | 5.9 | 177 | 16.2 |
| Total Deaths | 288 | 851.7 | 8,349 | 762.8 |

* The number of cases from for the years 1997 and 1998 have been adjusted to account for new Federal Coding Schemes. Prior to the 1999 data, the Coding Scheme for mortality used ICD-9 Classifications for causes of Death. Starting in 1999, the Coding Scheme used for mortality is the ICD-10 Classifications. The data presented represents a conversion of the 1997 and 1998 classifications. A comparability ratio is used to adjust the tables.